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The Society of the
Plastics Industry, Inc.

SPI

# Monthly Statistical Report-Resins

1275 K Street, N.W., #400
Washington, D.C. 20005
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FOR THE MONTH AND PERIOD ENDED

APRIL 30, 1989

## PRODUCTION AND SALES & CAPTIVE USE OF THERMOSETTING & THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & WHINNEY, WASHINGTON, D.C.
Association Services Group

NOTE TO USERS:
PLEASE USE THE FOLLOWING LEGEND WHEN
QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & WHINNEY

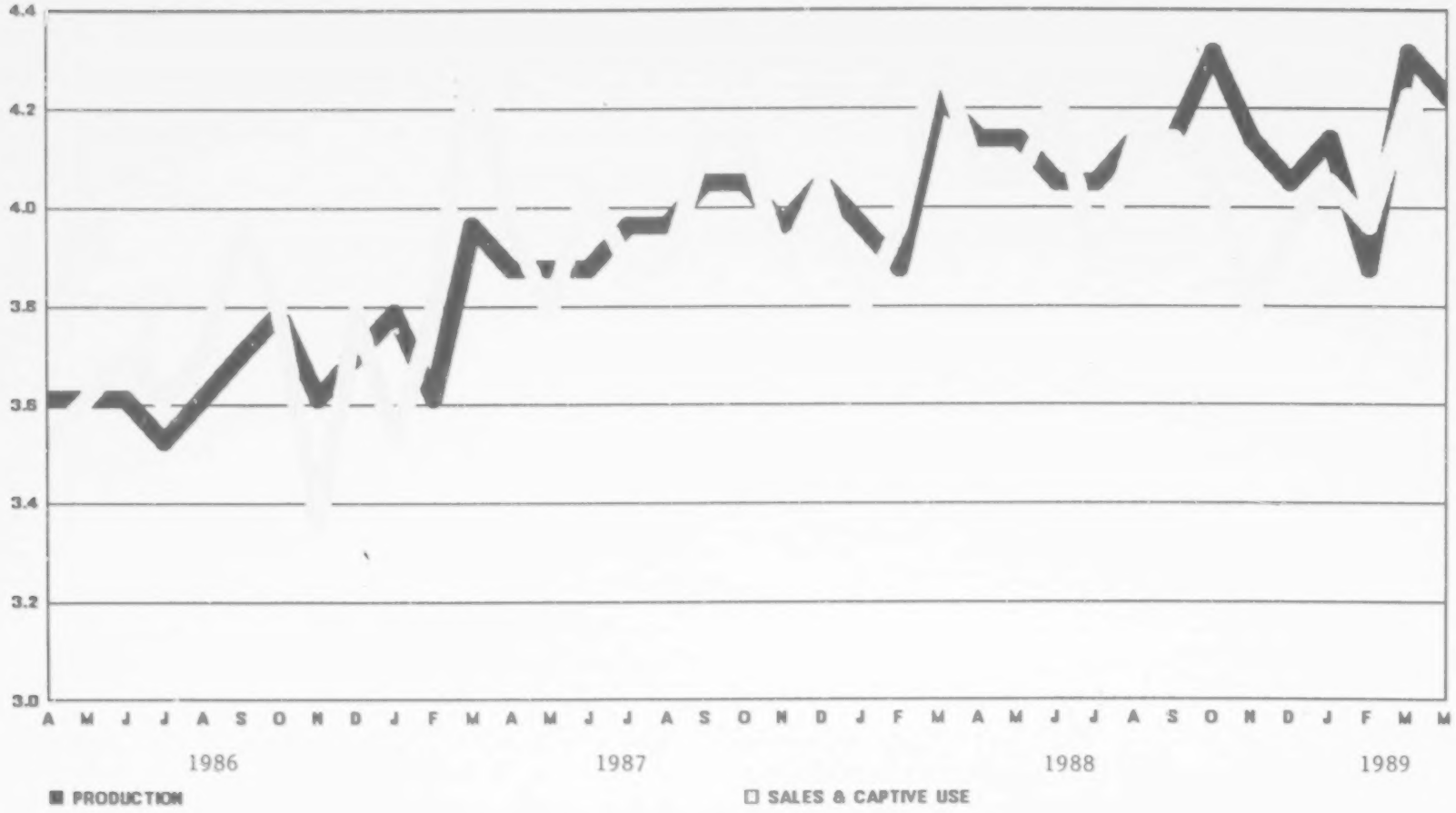
Release Date: JUNE 20, 1989

# THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

## PRODUCTION AND SALES & CAPTIVE USE OF PLASTIC RESINS

(BILLIONS OF POUNDS)

APRIL 1989



SECTION I

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(Thousands of pounds, dry weight basis)(1)

CRS

APRIL 1989

| RESIN KIND | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | APRIL | | | YEAR-TO-DATE | | | APRIL | | | YEAR-TO-DATE | | |
| | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG |
| EPOXY RESIN, TOTAL | 41,804 | 39,645 | 5.4 | 166,090 R | 155,332 | 6.9 | 43,586 | 46,817 | -6.9 | 176,808 | 157,854 | 12.0 |
| POLYESTER (UNSATURATED) RESINS, TOTAL | 117,793 | 120,402 | -2.2 | 457,840 | 464,621 | -1.5 | 119,436 | 121,375 | -1.6 | 461,525 | 467,560 | -1.3 |
| UREA RESINS, TOTAL | 122,126 | 114,863 | 6.3 | 454,418 | 433,960 | 4.7 | 123,774 | 115,608 | 7.1 | 456,960 | 505,589 | -9.6 |
| MELAMINE RESINS, TOTAL | 17,594 | 17,004 | 3.5 | 79,646 | 67,711 | 17.6 | 18,505 | 16,953 | 9.2 | 83,532 | 70,230 | 18.9 |
| PHENOLIC & OTHER TAR ACID RESINS, TOTAL | 276,377 | 270,099 | 2.3 | 1,008,962 | 974,795 | 3.5 | 276,963 | 269,161 | 2.9 | 1,022,407 | 972,544 | 5.1 |
| THERMOSETTING RESINS, TOTAL | 575,694 | 562,013 | 2.4 | 2,166,956 R | 2,096,419 | 3.4 | 582,264 | 569,914 | 2.2 | 2,201,232 | 2,173,777 | 1.3 |
| LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6) | 807,489 | 819,051 | -1.4 | 3,402,238 R | 3,383,123 | 0.6 | 821,885 | 881,161 | -6.7 | 3,378,493 R | 3,404,861 | -0.8 |
| HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL | 665,258 | 682,881 | -2.6 | 2,609,668 R | 2,775,441 | -6.0 | 684,997 | 719,293 | -4.8 | 2,684,894 | 2,834,076 | -5.3 |
| POLYPROPYLENE, TOTAL | 623,948 | 578,400 | 7.9 | 2,454,735 R | 2,352,997 | 4.3 | 703,442 | 592,283 | 18.8 | 2,552,340 | 2,360,964 | 8.1 |
| ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL | 120,167 | 114,275 | 5.2 | 462,208 | 406,596 | 13.7 | 127,590 | 129,702 | -1.6 | 493,411 | 399,198 | 23.6 |
| STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL | 11,759 | 12,207 | -3.7 | 42,419 | 44,582 | -4.9 | 24,977 | 11,318 | 120.7 | 95,903 | 44,932 | 113.4 |
| POLYSTYRENE RESINS, TOTAL | 421,405 | 417,496 | 0.9 | 1,740,271 | 1,687,314 | 3.1 | 443,082 | 435,845 | 1.7 | 1,748,895 R | 1,713,728 | 2.1 |
| STYRENE BASED LATEXES, TOTAL ** | 84,076 | 79,879 | 5.3 | 341,023 | 323,068 | 5.6 | 83,943 | 76,406 | 9.9 | 326,779 | 310,479 | 5.2 |
| OTHER STYRENICS, TOTAL (40% or More Styrene) | 13,073 | 15,861 | -17.6 | 55,033 | 62,438 | -11.9 | 12,265 | 13,505 | -9.2 | 53,580 | 64,051 | -16.3 |
| NYLON RESINS (6) | 49,945 | 48,686 | 2.6 | 204,908 | 189,155 | 8.3 | 53,395 | 45,833 | 16.5 | 197,901 | 183,014 | 8.1 |
| POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (Dry Resin content) | 679,343 | 680,436 | -0.2 | 2,798,722 | 2,752,192 | 1.7 | 715,236 | 698,144 | 2.4 | 2,877,014 | 2,735,072 | 5.2 |
| VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (2) | | | | | | | | | | | | |
| POLYVINYL ALCOHOL, TOTAL (3) | D | D | | D | D | | D | D | | D | D | |
| OTHER VINYL RESINS (4) | 15,163 | 18,165 | -16.5 | 67,695 | 72,571 | -6.7 | 16,975 | 17,626 | -3.7 | 75,056 | 75,220 | -0.2 |
| THERMOPLASTIC POLYESTER, TOTAL (6) | 144,220 | 141,665 | 1.8 | 550,543 | 526,874 | 4.5 | 153,020 | 146,836 | 4.2 | 551,387 | 532,235 | 3.6 |
| THERMOPLASTIC RESINS, TOTAL | 3,635,846 | 3,609,002 | 0.7 | 14,729,463 R | 14,576,351 | 1.1 | 3,840,807 | 3,767,952 | 1.9 | 15,035,653 R | 14,657,830 | 2.6 |
| GRAND TOTAL | 4,211,540 | 4,171,015 | 1.0 | 16,896,419 R | 16,672,770 | 1.3 | 4,423,071 | 4,337,866 | 2.0 | 17,236,885 R | 16,831,607 | 2.4 |

(1) = Except phenolic resins which are reported on a gross weight basis.
** = Sales and Captive Use figures include some Canadian produced materials.
(2) = The publishing of PVAC has been suspended.
(3) = The publishing of PVOH data has been suspended.
(4) = Includes only polyvinyl butyral, polyvinyl formal, and polyvinylidene.
(6) = Data Includes Sales from Imports.

D = Disclosure.
R = Revision.

Compiled by ERNST & WHINNEY, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)



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SECTION I - THERMOSETTING RESINS

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(In thousands of pounds, dry weight basis)

CRS

APRIL 1989

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | APRIL | | | YEAR-TO-DATE | | | APRIL | | | YEAR-TO-DATE | | |
| | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG |
| EPOXY RESIN, TOTAL | 41,804 | 39,645 | 5.4 | 166,090 R | 155,332 | 6.9 | 43,586 | 46,817 | -6.9 | 176,808 | 157,854 | 12.0 |
| Total Exports | 8,374 | 7,437 | 12.6 | 30,310 | 32,590 | -7.0 | | | | | | |
| Captive Use, Total | 1,208 | 1,166 | 3.6 | 4,804 | 4,625 | 3.9 | | | | | | |
| Domestic Sales, Total | 32,222 | 31,042 | 3.8 | 130,976 R | 118,117 | 10.9 | | | | | | |
| Domestic Sales & Captive Use, Total | 33,430 | 32,208 | 3.8 | 135,780 R | 122,742 | 10.6 | | | | | | |
| Bonding & Adhesives | 2,099 | 2,258 | -7.0 | 8,925 | 8,131 | 9.8 | | | | | | |
| Flooring, Paving & Exposed Aggregate | 1,633 | 2,064 | -20.9 | 6,193 | 7,622 | -18.7 | | | | | | |
| Protective Coatings | 16,710 | 14,990 | 11.5 | 67,899 R | 57,926 | 17.2 | | | | | | |
| Fiber Reinforced Lam. & Comp., Total | 7,318 | 7,266 | 0.7 | 29,931 R | 27,983 | 7.0 | | | | | | |
| FRL&C for Printed Wiring Board | 5,219 | 4,939 | 5.7 | 21,202 | 19,103 | 11.0 | | | | | | |
| All Other FRL&C | 2,099 | 2,327 | -9.8 | 8,729 R | 8,880 | -1.7 | | | | | | |
| Tooling, Casting & Molding Resins | 2,372 | 1,972 | 20.3 | 10,300 | 8,605 | 19.7 | | | | | | |
| All Other Uses | 3,298 | 3,658 | -9.8 | 12,532 | 12,475 | 0.5 | | | | | | |
| POLYESTER (UNSATURATED) RESINS, TOTAL | 117,793 | 120,402 | -2.2 | 457,840 | 464,621 | -1.5 | 119,436 | 121,375 | -1.6 | 461,525 | 467,560 | -1.3 |
| Total Exports | 1,362 | 1,748 | -22.1 | 7,214 | 4,752 | 51.8 | | | | | | |
| Total Domestic | 116,431 | 118,654 | -1.9 | 450,626 | 459,869 | -2.0 | | | | | | |
| General Purpose Resins, Total | 101,603 | 102,732 | -1.1 | 389,639 | 401,708 | -3.0 | | | | | | |
| General Purpose - Thixotropic | 45,670 | 47,613 | -4.1 | 175,028 | 187,432 | -6.6 | | | | | | |
| General Purpose - Press Molding | 10,811 | 11,177 | -3.3 | 42,730 | 46,683 | -8.5 | | | | | | |
| General Purpose - All Other | 45,122 | 43,942 | 2.7 | 171,881 | 167,593 | 2.6 | | | | | | |
| Flame Retardant Resins | 2,103 | 2,571 | -18.2 | 7,921 | 9,796 | -19.1 | | | | | | |
| Chemical Resistant Resins | 12,725 | 13,351 | -4.7 | 53,066 | 48,365 | 9.7 | | | | | | |
| Chemical Resistant Isophthalic Resins | 9,765 | 9,548 | 2.3 | 41,100 | 34,523 | 19.1 | | | | | | |
| All Other Chemical Resistant Resins | 2,960 | 3,803 | -22.2 | 11,966 | 13,842 | -13.6 | | | | | | |
| Reinforced Plastics, Total | 88,273 | 92,016 | -4.1 | 340,960 | 352,767 | -3.3 | | | | | | |
| Non-Reinforced Plastics, Total | 28,158 | 26,638 | 5.7 | 109,666 | 107,102 | 2.4 | | | | | | |

R = REVISION

Compiled by ERNST & WHINNEY, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(In Thousands of Pounds, Dry Weight Basis)(1)



APRIL 1989

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | APRIL | | | YEAR-TO-DATE | | | APRIL | | | YEAR-TO-DATE | | |
| | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG |
| UREA RESINS, TOTAL | 122,126 | 114,863 | 6.3 | 454,418 | 433,960 | 4.7 | 123,774 | 115,608 | 7.1 | 456,960 | 505,589 | -9.6 |
| MELAMINE RESINS, TOTAL | 17,594 | 17,004 | 3.5 | 79,646 | 67,711 | 17.6 | 18,505 | 16,953 | 9.2 | 83,532 | 70,230 | 18.9 |
| UREA & MELAMINE RESINS, TOTAL | 139,720 | 131,867 | 6.0 | 534,064 | 501,671 | 6.5 | 142,279 | 132,561 | 7.3 | 540,492 | 575,819 | -6.1 |
| Total Exports | D1 | D1 | | D1 | D1 | | | | | | | |
| Total Domestic | 139,720 | 131,867 | 6.0 | 534,064 | 501,671 | 6.5 | | | | | | |
| Textile Treating & Coating Resins | 2,182 | 2,469 | -11.6 | 9,421 | 9,957 | -5.4 | 2,326 | 3,043 | -23.6 | 11,147 | 11,825 | -5.7 |
| Paper Treating & Coating Resins | 3,849 | 3,558 | 8.2 | 16,069 | 17,806 | -9.8 | 3,898 | 3,790 | 2.8 | 17,250 | 19,171 | -10.0 |
| Molding Compounds | D2 | D2 | | D2 | D2 | | D2 | D2 | | D2 | D2 | |
| Bonding & Adhesive Resins for: | 114,650 | 106,850 | 7.3 | 434,575 | 399,302 | 8.8 | 115,387 | 107,351 | 7.5 | 432,551 | 462,204 | -6.4 |
| Laminating | 4,255 | 3,118 | 36.5 | 28,179 | 13,560 | 107.8 | 3,697 | 3,175 | 16.4 | 23,293 | 13,395 | 73.9 |
| Plywood | 10,179 | 4,250 | 139.5 | 24,980 | 15,950 | 56.6 | 10,111 | 4,236 | 138.7 | 25,544 | 17,361 | 47.1 |
| Fibrous & Granulated Wood (Particle Board) | 100,216 | 99,482 | 0.7 | 381,416 | 369,792 | 3.1 | 101,579 | 99,940 | 1.6 | 383,714 | 431,448 | -11.1 |
| Protective Coatings (Straight & Modified) | 8,885 | 9,790 | -9.2 | 38,519 | 37,010 | 4.1 | 11,640 | 10,722 | 8.6 | 48,308 | 43,036 | 12.3 |
| All Other Uses | 10,154 | 9,200 | 10.4 | 35,480 | 37,596 | -5.6 | 9,028 | 7,655 | 17.9 | 31,236 | 39,583 | -21.1 |
| PHENOLIC & OTHER TAR ACID RESINS, TOTAL | 276,377 | 270,099 | 2.3 | 1,008,962 | 974,795 | 3.5 | 276,963 | 269,161 | 2.9 | 1,022,407 | 972,544 | 5.1 |
| Total Exports | 2,278 | 2,153 | 5.8 | 7,075 | 7,085 | -0.1 | | | | | | |
| Total Domestic | 274,099 | 267,946 | 2.3 | 1,001,887 | 967,710 | 3.5 | | | | | | |
| Molding Compounds | 16,773 | 18,417 | -8.9 | 62,618 | 67,490 | -7.2 | 16,082 | 18,325 | -12.2 | 67,948 | 67,969 | 0.0 |
| Bonding & Adhesive Resins for: | 252,803 | 240,027 | 5.3 | 920,080 | 869,825 | 5.8 | 254,484 | 241,284 | 5.5 | 932,100 | 873,698 | 6.7 |
| Laminating | 23,153 | 18,789 | 23.2 | 75,413 | 68,393 | 10.3 | 23,205 | 18,686 | 24.2 | 78,774 | 68,955 | 14.2 |
| Coated & Bonded Abrasives | 3,410 | 2,154 | 58.3 | 12,665 | 8,093 | 56.5 | 3,419 | 2,169 | 57.6 | 13,842 | 8,128 | 70.3 |
| Friction Materials | 3,615 | 3,785 | -4.5 | 14,055 | 13,058 | 7.6 | 3,458 | 4,121 | -16.1 | 14,325 | 13,152 | 8.9 |
| Insulation Materials | 42,003 | 39,953 | 5.1 | 153,621 | 142,876 | 7.5 | 42,449 | 40,159 | 5.7 | 158,014 | 143,405 | 10.2 |
| Foundry & Shell Molding | 5,482 | 5,008 | 9.5 | 16,443 | 18,867 | -12.8 | 5,397 | 5,043 | 7.0 | 17,000 | 18,877 | -9.9 |
| Plywood | 134,649 | 137,258 | -1.9 | 503,546 | 509,273 | -1.1 | 135,687 | 137,050 | -1.0 | 504,299 | 509,441 | -1.0 |
| Fibrous & Granulated Wood | D3 | D3 | | D3 | D3 | | D3 | D3 | | D3 | D3 | |
| Resins Sold to Rubber Industry | 2,076 | 1,593 | 30.3 | 5,636 | 6,512 | -13.5 | 2,184 | 2,359 | -7.4 | 6,066 | 8,680 | -30.1 |
| All Other | 38,415 | 31,487 | 22.0 | 138,701 | 102,753 | 35.0 | 38,685 | 31,697 | 22.0 | 139,780 | 103,060 | 35.6 |
| Protective Coatings - Unmodified & Modified | 2,207 | 1,568 | 40.8 | 9,593 | 7,233 | 32.6 | 2,186 | 1,568 | 39.4 | 9,118 | 7,265 | 25.5 |
| Resins Sold to Rubber Ind., Non-Adhesive Uses | D2 | D2 | | D2 | D2 | | D2 | D2 | | D2 | D2 | |
| All Other Uses | 2,316 | 7,934 | -70.8 | 9,596 | 23,162 | -58.6 | 4,211 | 7,984 | -47.3 | 13,241 | 23,612 | -43.9 |

D1 = Disclosure: Included in Domestic, Total and All Other Uses.
D2 = Disclosure: Included in All Other Uses.
D3 = Disclosure: Included in All Other Bonding & Adhesive Resins.

(1) = Except phenolic resins which are reported on a gross weight basis



Compiled by ERNST & WHINNEY, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In thousands of pounds, dry weight basis)



APRIL 1989

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION AND IMPORTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | APRIL | | | YEAR-TO-DATE | | | APRIL | | | YEAR-TO-DATE | | |
| | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG |
| LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6) | 807,489 | 819,051 | -1.4 | 3,402,238 R | 3,383,123 | 0.6 | 878,923 | N/A | | 3,630,841 R | N/A | |
| Total Imports | | | | | | | 57,038 | N/A | | 252,348 | N/A | |
| Total Exports | 97,275 | 78,884 | 23.3 | 340,455 | 315,207 | 8.0 | | | | | | |
| Total Domestic | 710,214 | 740,167 | -4.0 | 3,061,783 R | 3,067,916 | -0.2 | 821,885 | 881,161 | -6.7 | 3,378,493 R | 3,404,861 | -0.8 |
| Film (12 Mils & Below) | 418,584 | 453,185 | N/C | 1,812,864 | 1,859,719 | N/C | | | | | | |
| Packaging Film | 250,075 | N/A | | 1,071,130 | N/A | | | | | | | |
| Food Packaging Film | 97,265 | N/A | | 407,780 | N/A | | | | | | | |
| Non-Food Packaging Film | 117,368 | N/A | | 511,049 | N/A | | | | | | | |
| Shrink Film | 11,392 | N/A | | 45,799 | N/A | | | | | | | |
| Stretch Film | 24,050 | N/A | | 106,502 | N/A | | | | | | | |
| Non-Packaging Film | 168,509 | N/A | | 741,734 | N/A | | | | | | | |
| Carry-Out Bags | 28,239 | N/A | | 126,896 | N/A | | | | | | | |
| Trash and Can Liners | 93,938 | N/A | | 370,101 | N/A | | | | | | | |
| Other Non-Packaging Film | 46,332 | N/A | | 244,737 | N/A | | | | | | | |
| Sheet (Over 12 Mils) | 9,135 | D4 | | 43,509 | D4 | | | | | | | |
| Injection Molding | 63,765 | 49,347 | 29.2 | 268,303 | 238,181 | 12.6 | | | | | | |
| Injection Molded Lids | 15,107 | N/A | | 65,575 | N/A | | | | | | | |
| Injection Molded Housewares | 13,587 | N/A | | 57,343 | N/A | | | | | | | |
| Other Injection Molding | 35,071 | N/A | | 145,385 | N/A | | | | | | | |
| Wire & Cable | 31,328 | 31,178 | 0.5 | 127,926 | 126,636 | 1.0 | | | | | | |
| Extrusion Coating | 53,241 | 60,566 | -12.1 | 225,647 | 255,112 | -11.5 | | | | | | |
| Blow Molding | 6,529 | 5,403 | 20.8 | 28,562 | 24,000 | 19.0 | | | | | | |
| Pipe & Conduit, Total | 5,831 | 5,303 | 10.0 | 25,340 | 20,012 | 26.6 | | | | | | |
| Corrugated Pipe & Conduit | D | D | | D | D | | | | | | | |
| Non-Corrugated Pipe & Conduit | D | D | | D | D | | | | | | | |
| Other Extruded Products | 8,102 | 24,124 | -66.4 | 36,504 R | 66,846 | -45.4 | | | | | | |
| Rotomolding | 13,538 | N/A | | 69,735 | N/A | | | | | | | |
| Resellers & Compounders, Total | 62,533 | 46,818 | 33.6 | 211,207 | 214,896 | -1.7 | | | | | | |
| Resellers | 45,730 | N/A | | 149,931 | N/A | | | | | | | |
| Compounders | 16,803 | N/A | | 61,276 | N/A | | | | | | | |
| Adhesives and Sealants | 9,110 | N/A | | 37,805 | N/A | | | | | | | |
| All Other Uses | 28,518 | 64,243 | -55.6 | 174,381 | 262,514 | -33.6 | | | | | | |

D4 = Disclosure: Included in Film.
(6) = 1989 Data Includes Sales from Imports.

N/A = Data not available.
N/C = Data not comparable.
D = Disclosure.

Compiled by ERNST & WHINNEY, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

SECTION I - THERMOPLASTIC RESINS

MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In thousands of pounds, dry weight basis)

CRS

APRIL 1989

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | APRIL | | | YEAR-TO-DATE | | | APRIL | | | YEAR-TO-DATE | | |
| | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG |
| HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL | 665,258 | 682,881 | -2.6 | 2,609,668 R | 2,775,441 | -6.0 | 684,997 | 719,293 | -4.8 | 2,684,894 | 2,834,076 | -5.3 |
| Total Exports | 71,317 | 53,086 | 34.3 | 263,808 | 257,239 | 2.6 | | | | | | |
| Total Domestic | 593,941 | 629,795 | -5.7 | 2,345,860 R | 2,518,202 | -6.8 | | | | | | |
| Film (12 Mils & Below) | 63,828 | 64,061 | -0.4 | 238,590 R | 232,231 | 2.7 | | | | | | |
| Packaging Film | 15,041 | N/A | | 60,281 | N/A | | | | | | | |
| Food Packaging Film | 10,767 | N/A | | 44,825 | N/A | | | | | | | |
| Non-Food Packaging Film | 4,274 | N/A | | 15,456 | N/A | | | | | | | |
| Non-Packaging Film | 48,787 | N/A | | 178,309 R | N/A | | | | | | | |
| Carry-Out Bags | 25,765 | N/A | | 89,293 | N/A | | | | | | | |
| Trash and Can Liners | D9 | N/A | | D9 | N/A | | | | | | | |
| Other Non-Packaging Film | 23,022 | N/A | | 89,016 R | N/A | | | | | | | |
| Sheet (Over 12 Mils) | 27,647 | 17,860 | 54.8 | 106,256 | 80,020 | 32.8 | | | | | | |
| Injection Molding | 114,704 | 156,085 | -26.5 | 458,240 R | 597,646 | -23.3 | | | | | | |
| Injection Molded Industrial Parts | 34,702 | N/A | | 140,262 | N/A | | | | | | | |
| Injection Molded Housewares | 11,787 | N/A | | 46,534 R | N/A | | | | | | | |
| Injection Molded Food Tubs and Containers | 17,060 | N/A | | 69,194 R | N/A | | | | | | | |
| Crates & Totes | 13,619 | N/A | | 50,959 | N/A | | | | | | | |
| Other Injection Molding | 37,536 | N/A | | 151,291 | N/A | | | | | | | |
| Wire & Cable | 10,937 | 10,398 | 5.2 | 47,000 | 38,989 | 20.5 | | | | | | |
| Extrusion Coating | D5 | D5 | | D5 | D5 | | | | | | | |
| Blow Molding | 235,149 | 245,237 | -4.1 | 948,435 | 1,015,474 | -6.6 | | | | | | |
| Motor Oil Bottles | 17,977 | N/A | | 65,055 | N/A | | | | | | | |
| Liquid Food Bottles | 71,891 | N/A | | 291,442 | N/A | | | | | | | |
| Household Chemical Bottles | 72,675 | N/A | | 293,509 | N/A | | | | | | | |
| Large Containers | 22,835 | N/A | | 99,466 | N/A | | | | | | | |
| Other Blow Molding | 49,771 | N/A | | 198,963 | N/A | | | | | | | |
| Pipe & Conduit, Total | 41,114 | 49,412 | -16.8 | 150,992 | 184,276 | -18.1 | | | | | | |
| Corrugated Pipe & Conduit | 8,974 | 11,482 | -21.8 | 25,829 | 45,722 | -43.5 | | | | | | |
| Non-Corrugated Pipe & Conduit | 32,140 | 37,930 | -15.3 | 125,163 | 138,554 | -9.7 | | | | | | |
| Other Extruded Products | 3,687 | 6,098 | -39.5 | 23,311 R | 30,994 | -24.8 | | | | | | |
| Rotomolding | 5,402 | N/A | | 22,921 | N/A | | | | | | | |
| Resellers & Compounders, Total | 60,501 | 52,461 | 15.3 | 225,280 | 222,232 | 1.4 | | | | | | |
| Resellers | 52,554 | N/A | | 193,923 | N/A | | | | | | | |
| Compounders | 7,947 | N/A | | 31,357 | N/A | | | | | | | |
| All Other Uses | 30,972 | 28,183 | 9.9 | 124,835 R | 116,340 | 7.3 | | | | | | |

D5 = Disclosure: Included in Other Extruded Products.
D9 = Disclosure: Included in Other Non-Packaging Film.

N/A = Not Available.
R = REVISED

Compiled by ERNST & WHINNEY, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(In thousands of pounds, dry weight basis)



APRIL 1989

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | APRIL | | | YEAR-TO-DATE | | | APRIL | | | YEAR-TO-DATE | | |
| | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG |
| POLYPROPYLENE, TOTAL | 623,948 | 578,400 | 7.9 | 2,454,735 R | 2,352,997 | 4.3 | 703,442 | 592,283 | 18.8 | 2,552,340 | 2,360,964 | 8.1 |
| Total Exports | 120,497 | 94,000 | 28.2 | 420,364 | 369,651 | 13.7 | | | | | | |
| Total Domestic | 503,451 | 484,400 | 3.9 | 2,034,371 R | 1,983,346 | 2.6 | | | | | | |
| Injection Molding | 158,251 | 143,013 | 10.7 | 611,366 | 571,010 | 7.1 | | | | | | |
| Appliances | 15,265 | 13,056 | 16.9 | 54,427 | 45,585 | 19.4 | | | | | | |
| Consumer Products | 49,630 | 32,391 | 53.2 | 176,200 | 143,257 | 23.0 | | | | | | |
| Rigid Packaging | 51,658 | 53,704 | -3.8 | 214,485 | 216,009 | -0.7 | | | | | | |
| Transportation | 21,681 | 24,736 | -12.4 | 102,482 | 97,310 | 5.3 | | | | | | |
| All Other Injection Molding | 20,017 | 19,126 | 4.7 | 63,772 | 68,849 | -7.4 | | | | | | |
| Blow Molding | 9,119 | 9,928 | -8.1 | 42,144 | 41,691 | 1.1 | | | | | | |
| Containers | D | D | | D | D | | | | | | | |
| All Other Blow Molding | D | D | | D | D | | | | | | | |
| Film (10 Mils & Below) | 48,114 | 51,721 | -7.0 | 196,428 | 202,266 | -2.9 | | | | | | |
| Oriented Film | 40,220 | N/A | | 142,547 | N/A | | | | | | | |
| Non-Oriented Film | 7,894 | N/A | | 53,881 | N/A | | | | | | | |
| Sheet (Over 10 Mils) | 11,919 | 11,123 | 7.2 | 50,034 | 42,259 | 18.4 | | | | | | |
| Extrusion Coating | D5 | D | | D5 | D | | | | | | | |
| Wire & Cable | D5 | D | | D5 | D | | | | | | | |
| Fiber & Filaments | 158,708 | 151,126 | 5.0 | 652,741 | 609,865 | 7.0 | | | | | | |
| Textile Applications, Total | 149,210 | 145,456 | 2.6 | 618,955 | 576,472 | 7.4 | | | | | | |
| Nonwovens | 38,919 | N/A | | 161,226 | N/A | | | | | | | |
| Monofilaments and Multifilament Fibers | 67,450 | N/A | | 282,156 | N/A | | | | | | | |
| Slit Film Fibers | 42,841 | N/A | | 175,573 | N/A | | | | | | | |
| Non-Textile Monofilaments | 9,498 | 5,670 | 67.5 | 33,786 | 33,393 | 1.2 | | | | | | |
| Pipe & Conduit | D5 | D5 | | D5 | D5 | | | | | | | |
| Other Extruded Products | 10,509 | 7,094 | 48.1 | 32,360 | 34,583 | -6.4 | | | | | | |
| Resellers, Distributors, & Compounders, Total | 101,138 | 105,838 | -4.4 | 426,910 R | 459,323 | -7.1 | | | | | | |
| Resellers & Distributors | 67,900 | 77,310 | -12.2 | 291,689 R | 339,858 | -14.2 | | | | | | |
| Compounders | 33,238 | 28,528 | 16.5 | 135,221 | 119,465 | 13.2 | | | | | | |
| All Other Uses | 5,693 | 4,557 | 24.9 | 22,388 | 22,349 | 0.2 | | | | | | |

D5 = Disclosure: Included in Other Extruded Products.
N/A = Data not available.
D = Disclosure

D = Disclosure.
R = Revision.

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THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(In thousands of pounds, dry weight basis)



APRIL 1989

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | APRIL | | | YEAR-TO-DATE | | | APRIL | | | YEAR-TO-DATE | | |
| | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG |
| POLYSTYRENE RESINS, TOTAL | 421,405 | 417,496 | 0.9 | 1,740,271 | 1,687,314 | 3.1 | 443,082 | 435,845 | 1.7 | 1,748,895 R | 1,713,728 | 2.1 |
| Straight Polystyrene | 222,358 | 220,613 | 0.8 | 934,930 | 892,026 | 4.8 | 251,486 | 234,449 | 7.3 | 961,433 R | 900,724 | 6.7 |
| Rubber-Modified Polystyrene | 199,047 | 196,883 | 1.1 | 805,341 | 795,288 | 1.3 | 191,596 | 201,396 | -4.9 | 787,462 | 813,004 | -3.1 |
| Exports Total | 14,260 | 10,867 | 31.2 | 74,781 | 50,778 | 47.3 | | | | | | |
| Straight Polystyrene | 7,907 | 8,446 | -6.4 | 39,133 | 37,682 | 3.9 | | | | | | |
| Rubber-Modified Polystyrene | 6,353 | 2,421 | 162.4 | 35,648 | 13,096 | 172.2 | | | | | | |
| Domestic Total | 407,145 | 406,629 | 0.1 | 1,665,490 | 1,636,536 | 1.8 | | | | | | |
| Molding | 172,094 | 163,002 | 5.6 | 643,395 | 636,072 | 1.2 | | | | | | |
| Extrusion | 187,186 | 182,845 | 2.4 | 740,732 | 746,547 | -0.8 | | | | | | |
| Expandable Polystyrene Beads | 37,807 | 40,052 | -5.6 | 212,351 | 166,782 | 27.3 | | | | | | |
| Block | 10,276 | 17,656 | -41.8 | 79,193 | 75,451 | 5.0 | | | | | | |
| Shape | 5,997 | 11,227 | -46.6 | 46,760 | 46,818 | -0.1 | | | | | | |
| Loose Fill | D6 | D6 | | D6 | D6 | | | | | | | |
| Other EPS | 21,534 | 11,169 | 92.8 | 86,398 | 44,513 | 94.1 | | | | | | |
| All Other Uses | 10,058 | 20,730 | -51.5 | 69,012 | 87,135 | -20.8 | | | | | | |
| Polystyrene End Uses Total | 407,145 | 406,629 | 0.1 | 1,665,490 | 1,636,536 | 1.8 | | | | | | |
| Packaging | 78,757 | 87,457 | -9.9 | 305,597 | 354,303 | -13.7 | | | | | | |
| Disposable Food Serviceware | 100,439 | 74,624 | 34.6 | 326,797 | 315,600 | 3.5 | | | | | | |
| Consumer and Inst. Products | 57,844 | 65,541 | -11.7 | 254,287 | 258,915 | -1.8 | | | | | | |
| Electrical/Electronics | 51,968 | 47,842 | 8.6 | 218,307 | 188,528 | 15.8 | | | | | | |
| Furniture, Furn., Bulding & Const. | 24,444 | 24,508 | -0.3 | 100,143 | 91,878 | 9.0 | | | | | | |
| Expandable Polystyrene Beads | 38,279 | 40,052 | -4.4 | 212,823 | 166,782 | 27.6 | | | | | | |
| Resellers and Compounders | 47,899 | 44,078 | 8.7 | 169,146 | 176,115 | -4.0 | | | | | | |
| All Other End Uses | 7,515 | 22,527 | -66.6 | 78,390 | 84,415 | -7.1 | | | | | | |

D6 = Disclosure: Included in Other EPS.

R = Revision.

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THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(In thousands of pounds, dry weight basis)

CRS

APRIL 1989

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION AND IMPORTS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | APRIL | | | YEAR-TO-DATE | | | APRIL | | | YEAR-TO-DATE | | |
| | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG |
| ABS (ACRYLONITRILE-BUTADIENE-STYRENE), TOTAL | 120,167 | 114,275 | 5.2 | 462,208 | 406,596 | 13.7 | 127,590 | 129,702 | -1.6 | 493,411 | 399,198 | 23.6 |
| SAN (STYRENE-ACRYLONITRILE-BUTADIENE), TOTAL | 11,759 | 12,207 | -3.7 | 42,419 | 44,582 | -4.9 | 24,977 | 11,318 | 120.7 | 95,903 | 44,932 | 113.4 |
| Total Exports | 4,467 | 4,887 | -8.6 | 12,375 | 14,509 | -14.7 | | | | | | |
| Total Domestic | 7,292 | 7,320 | -0.4 | 30,044 | 30,073 | -0.1 | | | | | | |
| OTHER STYRENICS (40% OR MORE STYRENE), TOTAL | 13,073 | 15,861 | -17.6 | 55,033 | 62,438 | -11.9 | 12,265 | 13,505 | -9.2 | 53,580 | 64,051 | -16.3 |
| ABS, SAN, & OTHER STYRENICS, TOTAL | 144,999 | 142,343 | 1.9 | 559,660 | 513,616 | 9.0 | 164,832 | 154,525 | 6.7 | 642,894 | 508,181 | 26.5 |
| Total Exports | N.R.1 | N.R.1 | | N.R.1 | N.R.1 | | | | | | | |
| Total Domestic | 144,999 | 142,343 | 1.9 | 559,660 | 513,616 | 9.0 | | | | | | |
| Electrical/Electronic | N.R.2 | N.R.2 | | N.R.2 | N.R.2 | | | | | | | |
| Building and Construction | 31,830 | 13,519 | 135.4 | 81,323 | 46,651 | 74.3 | | | | | | |
| Transportation | 34,613 | 29,630 | 16.8 | 137,495 | 115,698 | 18.8 | | | | | | |
| Consumer/Institutional | N.R.2 | N.R.2 | | N.R.2 | N.R.2 | | | | | | | |
| All Other | 78,556 | 99,194 | -20.8 | 340,842 | 351,267 | -3.0 | | | | | | |
| STYRENE BASED LATEXES, TOTAL *** | 84,076 | 79,879 | 5.3 | 341,023 | 323,068 | 5.6 | 83,943 | 76,406 | 9.9 | 326,779 | 310,479 | 5.2 |
| Paper Treating | 2,237 | 2,494 | -10.3 | 10,016 | 10,512 | -4.7 | | | | | | |
| Textile Treating | 846 | 982 | -13.8 | 3,593 | 4,236 | -15.2 | | | | | | |
| Carpet Backing | 32,241 | 31,892 | 1.1 | 124,930 | 119,441 | 4.6 | | | | | | |
| All Other Uses (Incl. Exports & Paper Coating) | 48,752 | 44,511 | 9.5 | 202,484 | 188,879 | 7.2 | | | | | | |
| NYLON RESINS, TOTAL (6) | 49,945 | 48,686 | 2.6 | 204,908 | 189,155 | 8.3 | N/A | N/A | | N/A | N/A | |
| Total Imports | | | | | | | N/A | N/A | | N/A | N/A | |
| Total Exports | 6,120 | 5,884 | 4.0 | 25,073 | 26,618 | -5.8 | | | | | | |
| Total Domestic | 43,825 | 42,802 | 2.4 | 179,835 | 162,537 | 10.6 | 53,395 | 45,833 | 16.5 | 197,901 | 183,014 | 8.1 |
| Injection Molding Grade | 26,482 | 25,345 | 4.5 | 108,032 | 96,814 | 11.6 | | | | | | |
| Extrusion Grade | 12,499 | 13,362 | -6.5 | 51,360 | 49,886 | 3.0 | | | | | | |
| Resellers and Compounders | 3,225 | 2,756 | 17.0 | 14,319 | 10,239 | 39.8 | | | | | | |
| All Other Uses | 1,619 | 1,339 | 20.9 | 6,124 | 5,598 | 9.4 | | | | | | |

N.R.1 = Not Reported: Included in Total Domestic and in All Other.
N.R.2 = Not Reported: Included in All Other.
*** = Styrene Based Latexes sales include some Canadian produced material.
(6) = Includes Sales from Imports.

N/A = Not Available.



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MONTHLY STATISTICAL REPORT
(In thousands of pounds, dry weight basis)



APRIL 1989

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | APRIL | | | YEAR-TO-DATE | | | APRIL | | | YEAR-TO-DATE | | |
| | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG |
| POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (Dry Resin Content) | 679,343 | 680,436 | -0.2 | 2,798,722 | 2,752,192 | 1.7 | 715,236 | 698,144 | 2.4 | 2,877,014 | 2,735,072 | 5.2 |
| Homopolymer Resins Including Blending & Latex | 621,523 | 626,877 | -0.9 | 2,559,973 | 2,537,525 | 0.9 | 652,750 | 638,588 | 2.2 | 2,624,543 | 2,502,172 | 4.9 |
| Copolymer Resins Including Blending & Latex | 17,888 | 16,069 | 11.3 | 71,193 | 67,956 | 4.8 | 18,713 | 19,018 | -1.6 | 78,485 | 75,199 | 4.4 |
| Dispersion | 39,932 | 37,490 | 6.5 | 167,556 | 146,711 | 14.2 | 43,773 | 40,538 | 8.0 | 173,986 | 157,701 | 10.3 |
| Total Exports | 58,845 | 32,100 | 83.3 | 203,262 | 164,503 | 23.6 | | | | | | |
| Total Domestic | 620,498 | 648,336 | -4.3 | 2,595,460 | 2,587,689 | 0.3 | | | | | | |
| Calendering, Total | 74,893 | 70,161 | 6.7 | 288,560 | 283,885 | 1.6 | | | | | | |
| Flooring | 17,635 | 16,112 | 9.5 | 68,772 | 65,387 | 5.2 | | | | | | |
| Textile | 9,208 | 10,023 | -8.1 | 38,604 | 42,009 | -8.1 | | | | | | |
| All Other Calendering Uses | 48,050 | 44,026 | 9.1 | 181,184 | 176,489 | 2.7 | | | | | | |
| Coating, Total | 29,426 | 29,345 | 0.3 | 126,731 | 114,815 | 10.4 | | | | | | |
| Flooring | 12,617 | 12,474 | 1.1 | 52,932 | 47,300 | 11.9 | | | | | | |
| Textile & Paper Coating | 8,512 | 8,667 | -1.8 | 36,360 | 32,413 | 12.2 | | | | | | |
| Protective Coating | 4,158 | 4,054 | 2.6 | 18,182 | 18,055 | 0.7 | | | | | | |
| Adhesives & All Other Coating Uses | 4,139 | 4,150 | -0.3 | 19,257 | 17,047 | 13.0 | | | | | | |
| Extrusion, Total | 416,190 | 438,524 | -5.1 | 1,755,529 | 1,760,928 | -0.3 | | | | | | |
| Wire & Cable | 30,241 | 36,218 | -16.5 | 132,061 | 145,351 | -9.1 | | | | | | |
| Film & Sheet, Packaging | 27,706 | 27,622 | 0.3 | 110,306 | 108,415 | 1.7 | | | | | | |
| Film & Sheet, Non-Packaging | 3,426 | 3,515 | -2.5 | 17,371 | 18,030 | -3.7 | | | | | | |
| Siding & Access., & Mobile Home Skirts | 61,130 | 53,547 | 14.2 | 252,137 | 228,311 | 10.4 | | | | | | |
| Rigid Pipe & Tubing (Except Fittings) | 248,982 | 272,949 | -8.8 | 1,063,476 | 1,083,321 | -1.8 | | | | | | |
| All Other Extrusions | 44,705 | 44,673 | 0.1 | 180,178 | 177,500 | 1.5 | | | | | | |
| Molding, Total | 46,008 | 48,615 | -5.4 | 186,123 | 190,388 | -2.2 | | | | | | |
| Bottles | 19,010 | 17,386 | 9.3 | 77,172 | 72,009 | 7.2 | | | | | | |
| Fittings (Rigid Pipe & Tubing) | 14,471 | 16,424 | -11.9 | 56,560 | 60,806 | -7.0 | | | | | | |
| All Other Molding | 12,527 | 14,805 | -15.4 | 52,391 | 57,573 | -9.0 | | | | | | |
| Paste Processes (Except Coating) | 14,380 | 13,541 | 6.2 | 59,650 | 53,558 | 11.4 | | | | | | |
| Plastisol Formulation | 7,817 | 6,518 | 19.9 | 32,033 | 27,069 | 18.3 | | | | | | |
| All Other | 6,563 | 7,023 | -6.5 | 27,617 | 26,489 | 4.3 | | | | | | |
| Resellers and Compounders | 25,602 | 30,151 | -15.1 | 111,649 | 116,924 | -4.5 | | | | | | |
| All Other Uses | 13,999 | 17,999 | -22.2 | 67,218 | 67,191 | 0.0 | | | | | | |

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
MONTHLY STATISTICAL REPORT
(In thousands of pounds, dry weight basis)



| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | APRIL | | | YEAR-TO-DATE | | | APRIL | | | YEAR-TO-DATE | | |
| | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG | 1989 | 1988 | % CHG |
| VINYL ACETATE MONOMER (2) FOR POLYVINYL ACETATE, TOTAL | | | | | | | | | | | | |
| Total Exports | | | | | | | | | | | | |
| Total Domestic | | | | | | | | | | | | |
| Emulsion Paints | | | | | | | | | | | | |
| Adhesives, Caulks and Sealants | | | | | | | | | | | | |
| Paper Treating & Paper Coating | | | | | | | | | | | | |
| Textile Treating | | | | | | | | | | | | |
| Non-Woven Binders | | | | | | | | | | | | |
| All Other Uses | | | | | | | | | | | | |
| POLYVINYL ALCOHOL, TOTAL (3) | D | D | | D | D | | D | D | | D | D | |
| Total Exports | D | D | | D | D | | | | | | | |
| Total Domestic | D | D | | D | D | | | | | | | |
| OTHER VINYL RESINS, TOTAL (4) | 15,163 | 18,165 | -16.5 | 67,695 | 72,571 | -6.7 | 16,975 | 17,626 | -3.7 | 75,056 | 75,220 | -0.2 |
| Total Exports | 5,489 | 6,749 | -18.7 | 23,366 | 22,779 | 2.6 | | | | | | |
| Total Domestic | 9,674 | 11,416 | -15.3 | 44,329 | 49,792 | -11.0 | | | | | | |
| THERMOPLASTIC POLYESTER, TOTAL (6) | 144,220 | 141,665 | 1.8 | 550,543 | 526,874 | 4.5 | 153,020 | 146,836 | 4.2 | 551,387 | 532,235 | 3.6 |
| Total Exports | 24,526 | 22,598 | 8.5 | 85,999 | 76,106 | 13.0 | | | | | | |
| Total Domestic | 119,694 | 119,067 | 0.5 | 464,544 | 450,768 | 3.1 | | | | | | |
| PET Bottle Grades | 85,530 | 79,557 | 7.5 | 307,606 | 306,705 | 0.3 | | | | | | |
| All Other Thermoplastic Polyester (5) | 34,164 | 39,510 | -13.5 | 156,938 | 144,063 | 8.9 | | | | | | |

D = Disclosure.

(2) = The publishing of PVAC data has been suspended.
(3) = The publishing of PVOH data has been suspended.
(4) = Includes only polyvinyl butyral, polyvinyl formal, and polyvinylidene.
(5) = Includes all other PET and all injection molding grades.
(6) = 1989 Data Includes Sales from Imports.



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